ABSRACT

The invention concerns a cationic catalyst system comprising an initiator (I), a catalyst (K) and a cocatalyst (CoK). The cocatalyst (CoK) is an agent releasing the active polymerizing center of its counter anion generated by the reaction between the catalyst (K) and the initiator (I). Said cocatalyst is characterized by the existence of a double bond electron-depleted by an electroattractive group. It is selected, for example, from the group consisting of the following complexing agents including o-chloranyl (3,4,5,6-tetrachloro-1,2-benzoquinone), p-chloranyl (2,3,5,6-tetrachloro-1,4-benzoquinone), nitrobenzene, trinitrobenzene, or tetracyanoethylene.